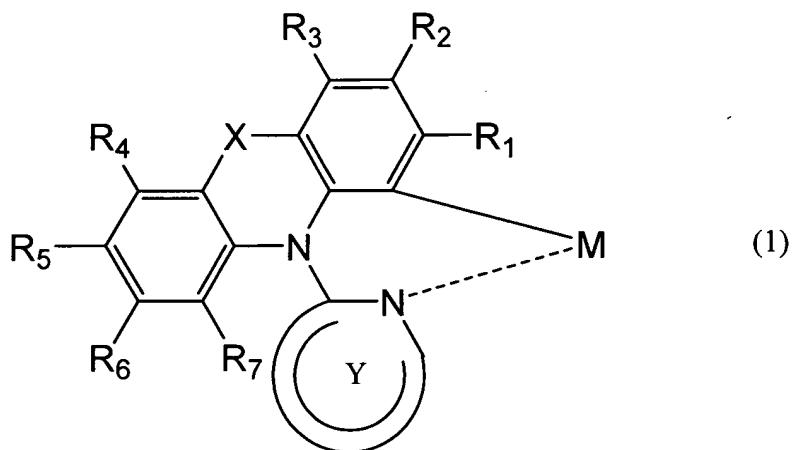


IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A light emission material comprising:
an organometal complex having a structure represented by the following general formula (1):



(wherein R1 to R7 respectively represent any one of a hydrogen atom, a halogen atom, a lower alkyl group, an alkoxy group, an acyl group, a nitro group, a cyano group, an amino group, a dialkylamino group, a diarylamino group, a vinyl group, an aryl group, or a heterocyclic residue;

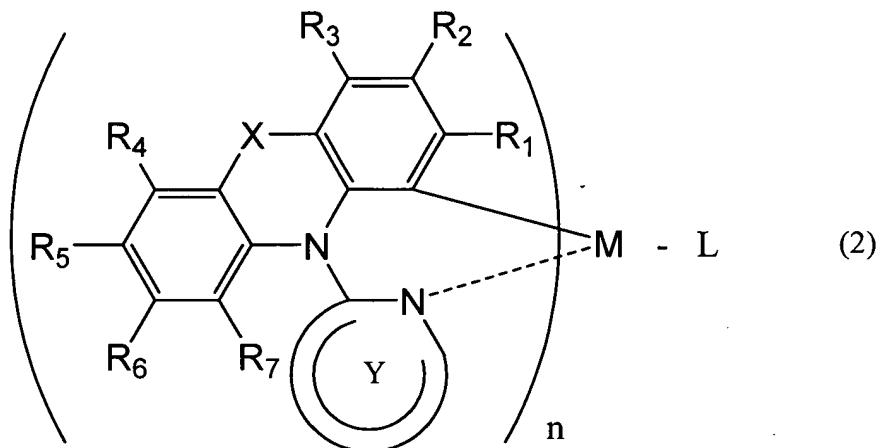
wherein X represents an oxygen atom or a sulfur atom;

wherein Y represents a heterocyclic residue containing a nitrogen atom as a heteroatom;

and

wherein M represents a group IX atom or a group X atom.)

2. (Currently Amended) A light emission material comprising:
an organometal complex having a structure represented by the following general
formula (2):



(wherein R1 to R7 respectively represent any one of a hydrogen atom, a halogen atom, a lower alkyl group, an alkoxy group, an acyl group, a nitro group, a cyano group, an amino group, a dialkylamino group, a diarylamino group, a vinyl group, an aryl group, or a heterocyclic residue;

wherein X represents an oxygen atom or a sulfur atom;

wherein Y represents a heterocyclic residue containing a nitrogen atom as a heteroatom;

wherein M represents a group IX atom or a group X atom, and n = 2 when the M is the group IX atom, while n = 1 when the M is the group X atom; and

wherein L represents any one of a monoanionic bidentate chelate ligand having a beta-diketone structure, a monoanionic bidentate chelate ligand having a carboxyl group, or a monoanionic bidentate chelate ligand having a phenolic hydroxyl group.)

3. (Currently Amended) The light emission material according to claim 1 or 2,

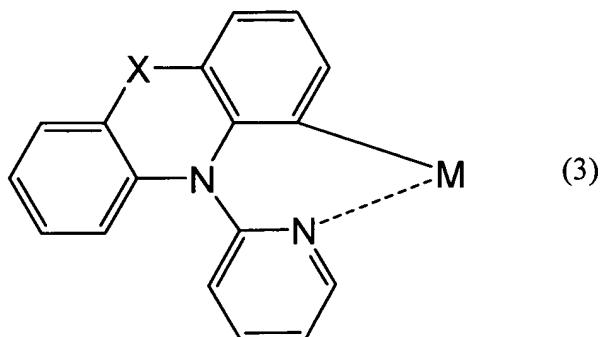
~~characterized in that~~ wherein the Y is a heterocyclic residue comprising a five-membered ring or a six-membered ring.

4. (Currently Amended) The light emission material according to claim 1-~~or~~ 2,

~~characterized in that~~ wherein the Y is a 2-pyridyl group.

5. (Currently Amended) A light emission material comprising:

an organometal complex having a structure represented by the ~~following~~ general formula (3):

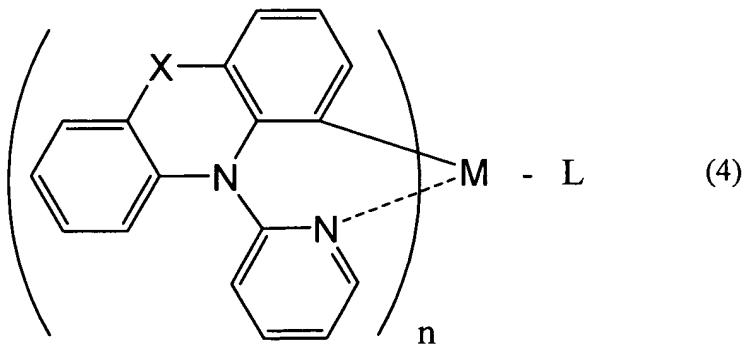


(~~wherein~~ X represents an oxygen atom or a sulfur atom; and

~~wherein~~ M represents a group IX atom or a group X atom.)

6. (Currently Amended) A light emission material comprising:

an organometal complex having a structure represented by the ~~following~~ general formula (4):



{ wherein X represents an oxygen atom or a sulfur atom;

wherein M represents a group IX atom or a group X atom, and n = 2 when the M is the group IX atom, while n = 1 when the M is the group X atom; and

wherein L represents any one of a monoanionic bidentate chelate ligand having a beta-diketone structure, a monoanionic bidentate chelate ligand having a carboxyl group, or a monoanionic bidentate chelate ligand having a phenolic hydroxyl group.)

7. (Currently Amended) The light emission material according to claim 1,

~~characterized in that~~ wherein the M is iridium or platinum.

8. (Currently Amended) The light emission material according to claim 2,

~~characterized in that~~ wherein the M is iridium or platinum.

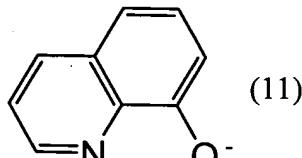
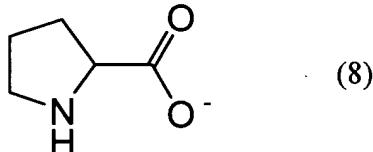
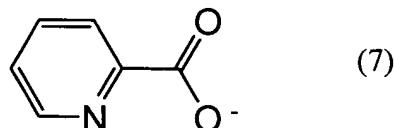
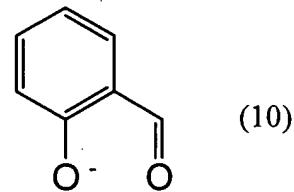
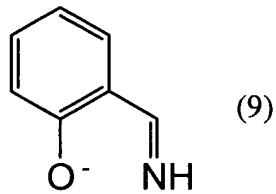
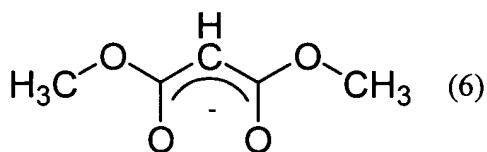
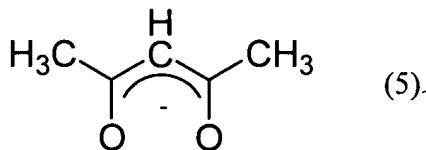
9. (Currently Amended) The light emission material according to claim 5,

~~characterized in that~~ wherein the M is iridium or platinum.

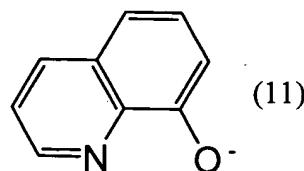
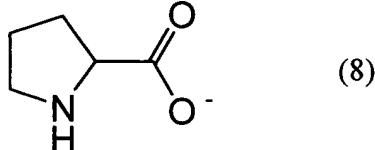
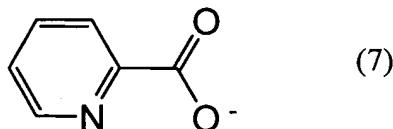
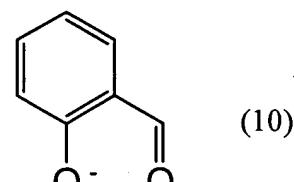
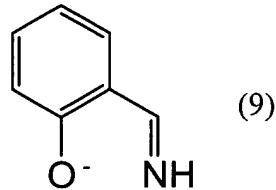
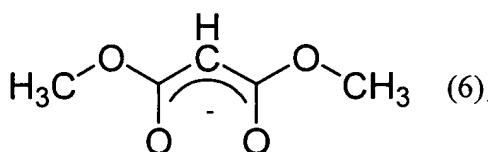
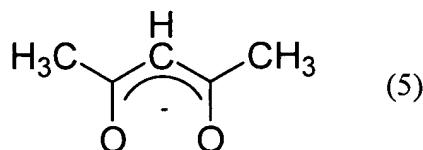
10. (Currently Amended) The light emission material according to claim 6,

~~characterized in that~~ wherein the M is iridium or platinum.

11. (Currently Amended) The organic light emission material according to claim 2,
characterized in that wherein the L is any one of monoanionic bidentate chelate ligands
represented by the following structural formulas (5) to (11):

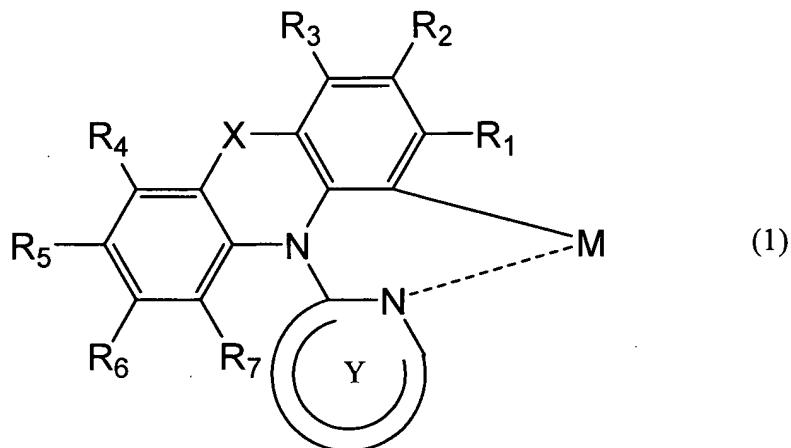


12. (Currently Amended) The organic light emission material according to claim 6,
characterized in that wherein the L is any one of monoanionic bidentate chelate ligands
represented by the following structural formulas (5) to (11):



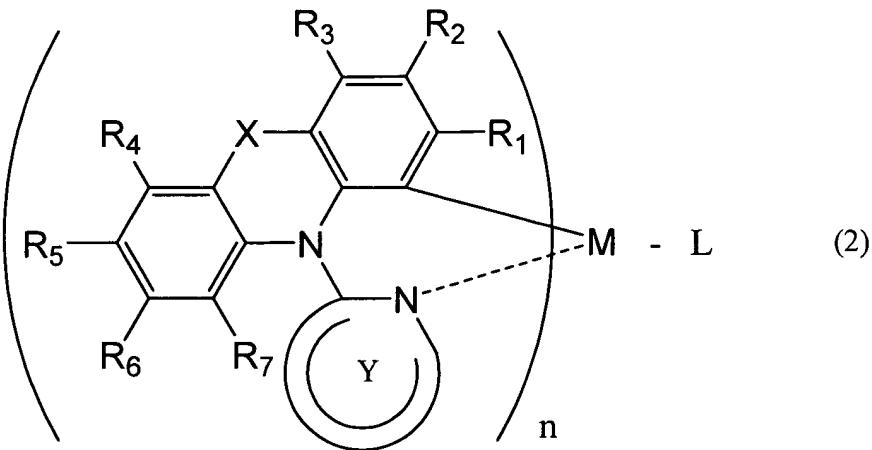
13. (Currently Amended) ~~An electronic appliance having an electroluminescence element using the~~ light emission material according to any one of claims 1, 2, 5, and 6, wherein an electroluminescence element comprises the light emission material; and wherein the electroluminescence element is incorporated into the electronic appliance selected from the group consisting of a video camera, a digital camera, a goggle type display, a navigation system, an audio reproduction apparatus, a notebook type personal computer, a game machine, a personal digital assistant and an image reproduction apparatus having a recording medium.

14. (Currently Amended) A light emission material comprising:
an organometal complex having a structure represented by the following general
formula (1):



(wherein each of pairs of R1 and R2, R2 and R3, R4 and R5, and R5 and R6 is
combined into an aromatic ring;
wherein X represents an oxygen atom or a sulfur atom;
wherein Y represents a heterocyclic residue containing a nitrogen atom as a heteroatom;
and
wherein M represents a group IX atom or a group X atom.)

15. (Currently Amended) A light emission material comprising:
an organometal complex having a structure represented by the following general
formula (2):



(wherein each of pairs of R1 and R2, R2 and R3, R4 and R5, and R5 and R6 is combined into an aromatic ring;

wherein X represents an oxygen atom or a sulfur atom;

wherein Y represents a heterocyclic residue containing a nitrogen atom as a heteroatom;

wherein M represents a group IX atom or a group X atom, and n = 2 when the M is the group IX atom, while n = 1 when the M is the group X atom; and

wherein L represents any one of a monoanionic bidentate chelate ligand having a beta-diketone structure, a monoanionic bidentate chelate ligand having a carboxyl group, or a monoanionic bidentate chelate ligand having a phenolic hydroxyl group.)

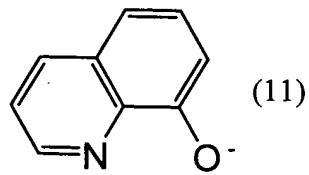
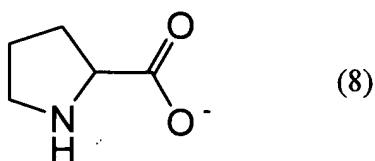
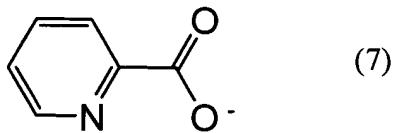
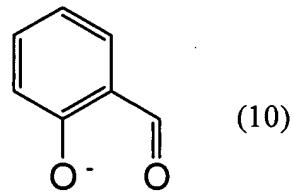
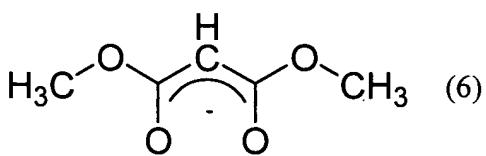
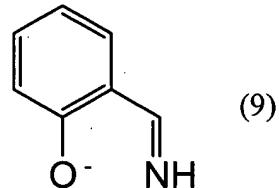
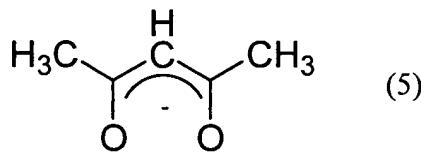
16. (Currently Amended) The light emission material according to claim 14 or 15, characterized in that wherein the Y is a heterocyclic residue comprising a five-membered ring or a six-membered ring.

17. (Currently Amended) The light emission material according to claim 14 or 15, characterized in that wherein the Y is a 2-pyridyl group.

18. (Currently Amended) The light emission material according to claim 14,
characterized in that wherein the M is an iridium atom or a platinum atom.

19. (Currently Amended) The light emission material according to claim 15,
characterized in that wherein the M is an iridium atom or a platinum atom.

20. (Currently Amended) The organic light emission material according to claim 15,
characterized in that wherein the L is any one of monoanionic bidentate chelate ligands
represented by the following structural formulas (5) to (11):



21. (Currently Amended) An electronic appliance having an electroluminescence element using the ~~The~~ light emission material according to claim 14 or 15.,
wherein an electroluminescence element comprises the light emission material; and
wherein the electroluminescence element is incorporated into the electronic appliance
selected from the group consisting of a video camera, a digital camera, a goggle type display, a
navigation system, an audio reproduction apparatus, a notebook type personal computer, a game
machine, a personal digital assistant and an image reproduction apparatus having a recording
medium.

22. (New) The light emission material according to claim 2,
wherein the Y is a heterocyclic residue comprising a five-membered ring or a six-membered ring.

23. (New) The light emission material according to claim 2,
wherein the Y is a 2-pyridyl group.

24. (New) The light emission material according to claim 2,
wherein an electroluminescence element comprises the light emission material; and
wherein the electroluminescence element is incorporated into the electronic appliance
selected from the group consisting of a video camera, a digital camera, a goggle type display, a
navigation system, an audio reproduction apparatus, a notebook type personal computer, a game
machine, a personal digital assistant and an image reproduction apparatus having a recording
medium.

25. (New) The light emission material according to claim 5,
wherein an electroluminescence element comprises the light emission material; and
wherein the electroluminescence element is incorporated into the electronic appliance
selected from the group consisting of a video camera, a digital camera, a goggle type display, a
navigation system, an audio reproduction apparatus, a notebook type personal computer, a game
machine, a personal digital assistant and an image reproduction apparatus having a recording
medium.

26. (New) The light emission material according to claim 6,
wherein an electroluminescence element comprises the light emission material; and
wherein the electroluminescence element is incorporated into the electronic appliance
selected from the group consisting of a video camera, a digital camera, a goggle type display, a
navigation system, an audio reproduction apparatus, a notebook type personal computer, a game
machine, a personal digital assistant and an image reproduction apparatus having a recording
medium.

27. (New) The light emission material according to claim 15,
wherein the Y is a heterocyclic residue comprising a five-membered ring or a six-
membered ring.

28. (New) The light emission material according to claim 15,
wherein the Y is a 2-pyridyl group.

29. (New) The light emission material according to claim 15,
wherein an electroluminescence element comprises the light emission material; and
wherein the electroluminescence element is incorporated into the electronic appliance
selected from the group consisting of a video camera, a digital camera, a goggle type display, a
navigation system, an audio reproduction apparatus, a notebook type personal computer, a game
machine, a personal digital assistant and an image reproduction apparatus having a recording
medium.